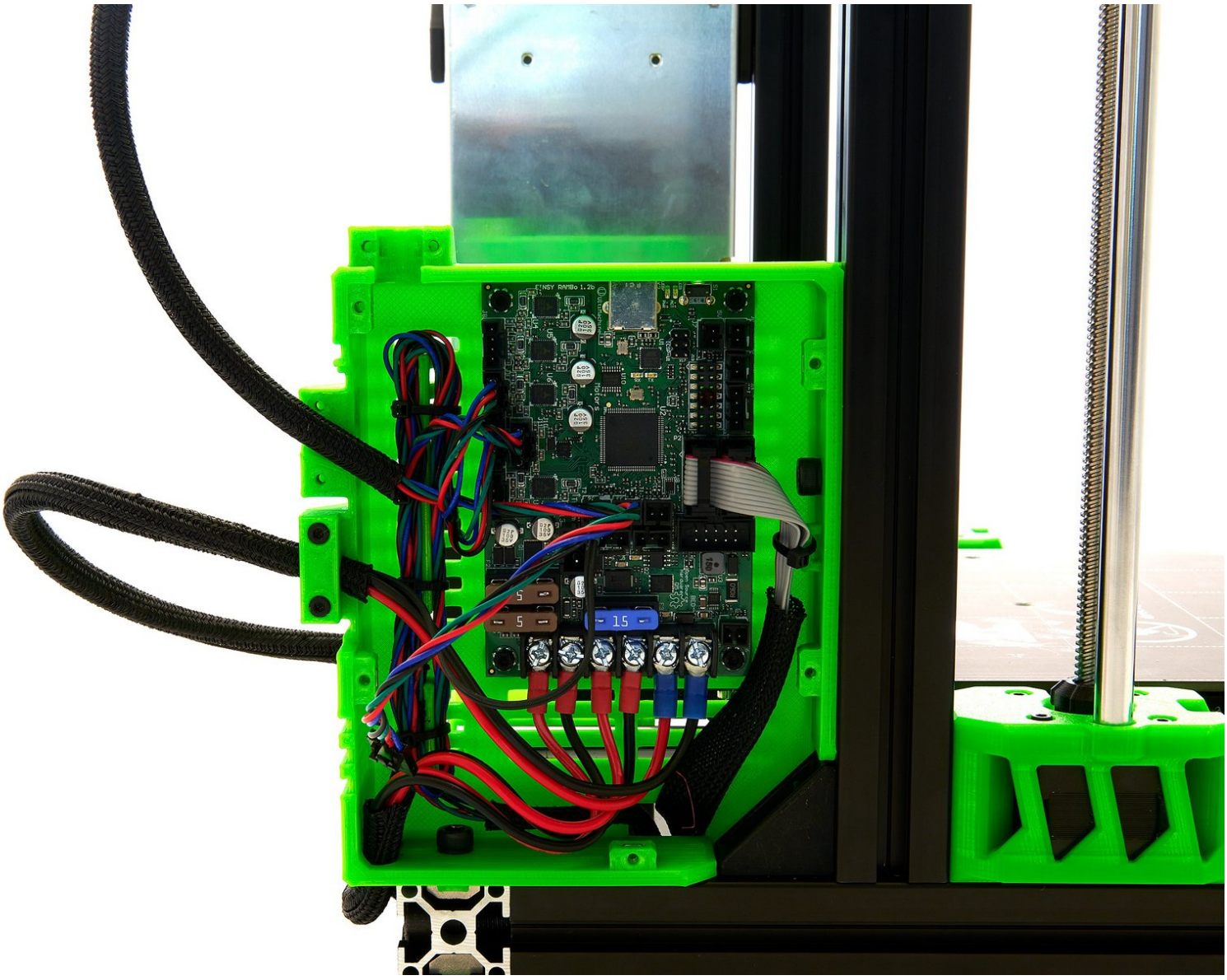
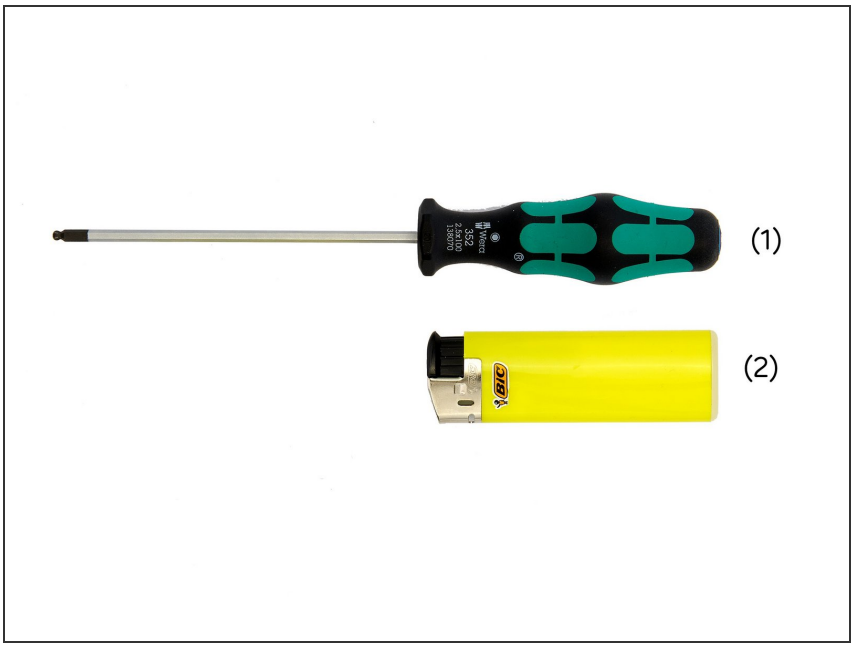
caribou3d

13. Installation and Wiring of the x-Axis

Written By: Katja Aller

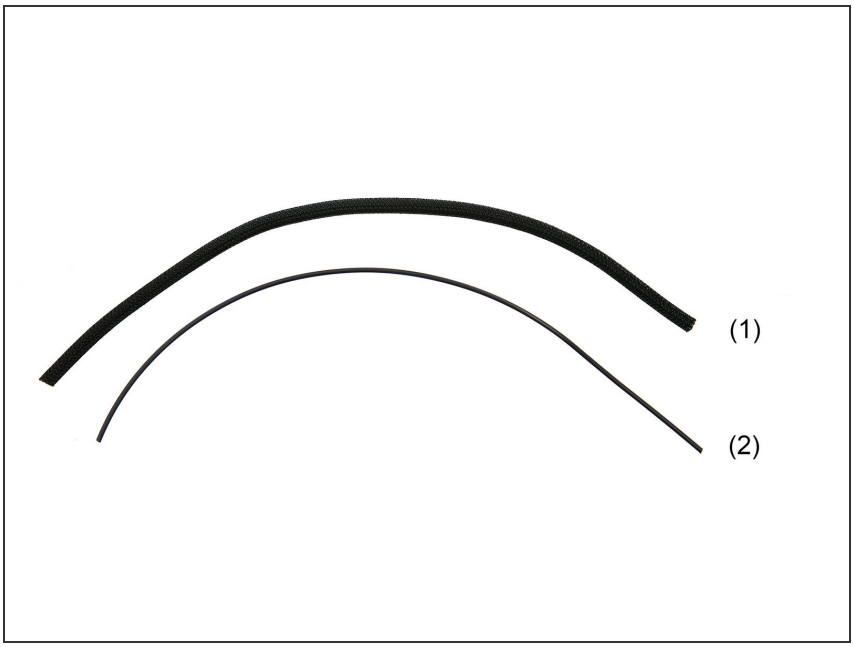


Step 1 — Required Tools



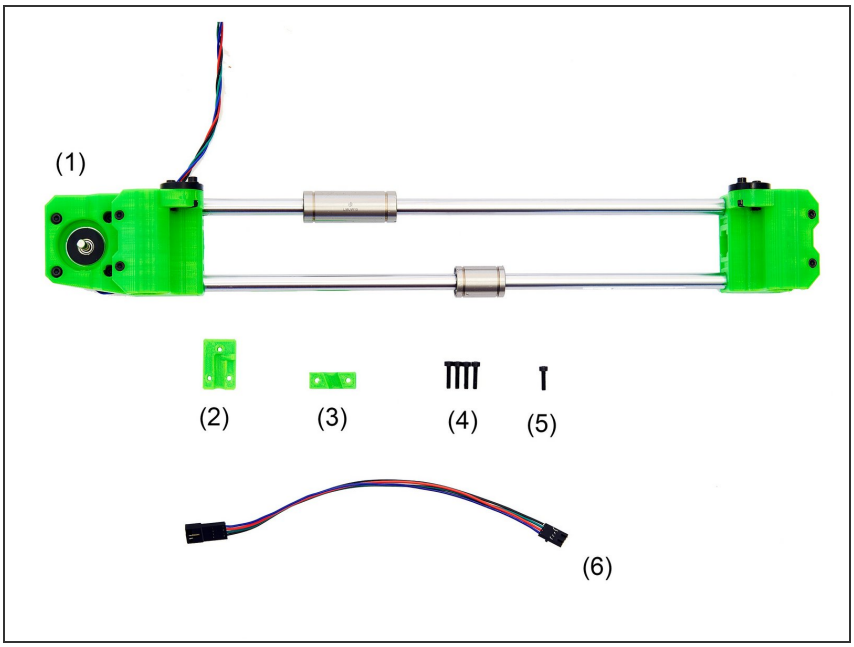
- (1) 2.5x75mm Hexagonal Screwdriver
- (2) Lighter

Step 2 — Assembling the Parts



- (1) Techflex Tube (Diameter 6.4mm)
  - Caribou 220: 35cm
  - Caribou 320: 45cm
  - Caribou 420: 55cm
- (2) Nylonfilament
  - Caribou 2020: 37cm
  - Caribou 320: 47cm
  - Caribou 420: 57cm

Step 3 — Assembling the Parts and Screws



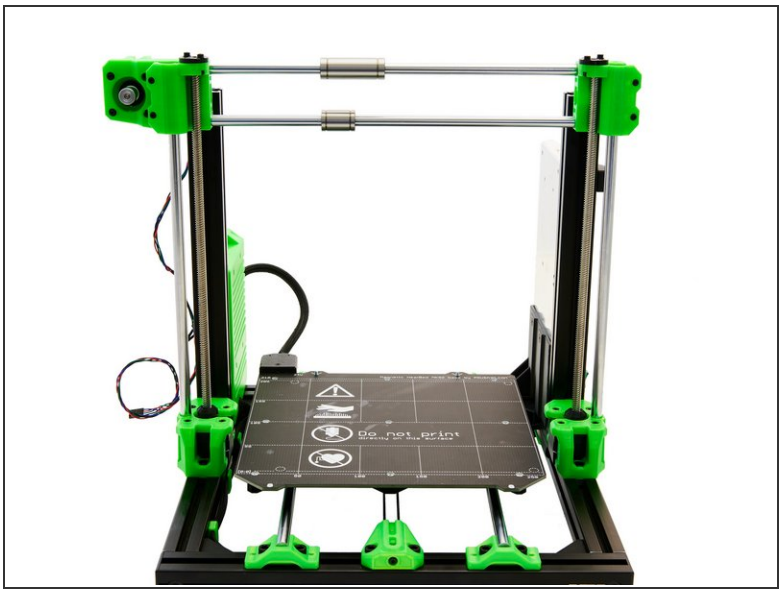
- (1) Assembled x-Axis
- (2) x-Cable Holder
- (3) Cable Holder (Angled)
- (4) **4x** M3x12mm Hexagon Socket Head Cap Screws
- (5) M3x12mm Hexagon Socket Head Cap Screw

ⓘ If you are building a *Caribou 320* or *420* you will need the following:

- (6) Motor Extension Cable 20cm

Step 4 — Installing the X-Axis (1 / 2)

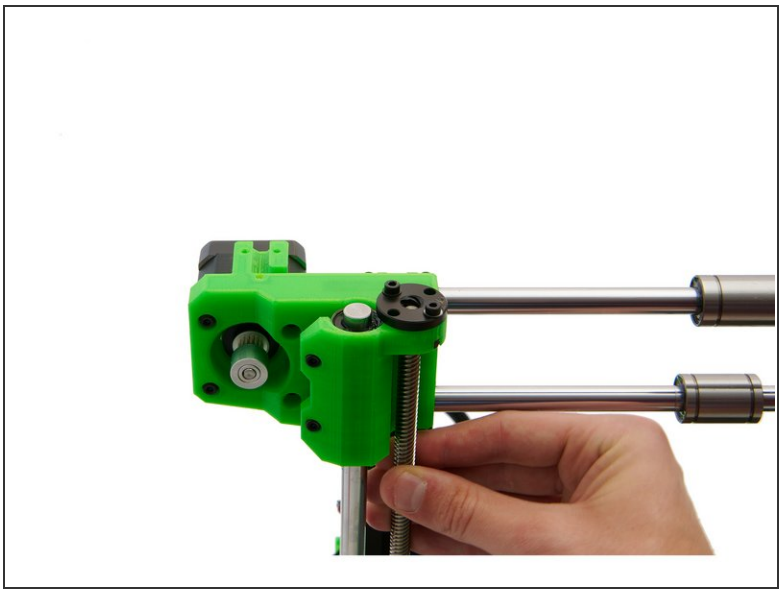


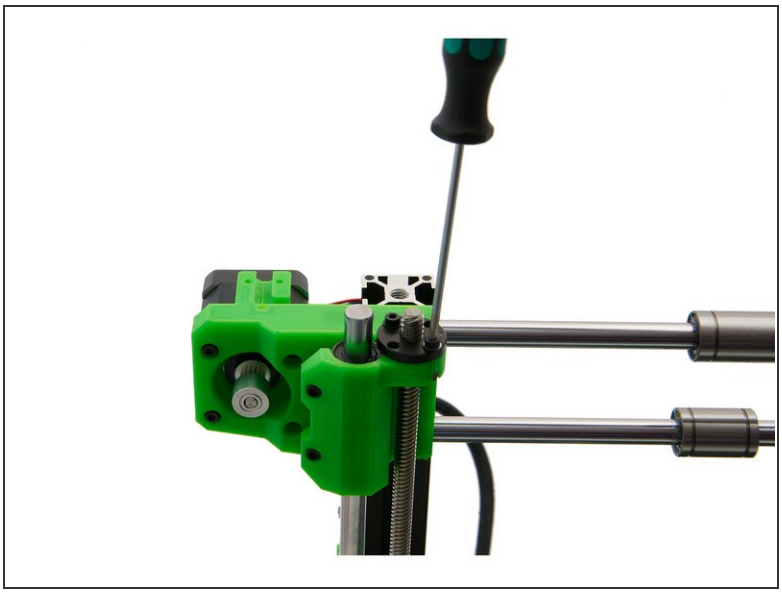


- Carefully place the assembled x-axis on the z-stepper motors and z-rods.

⚠ Be careful not to damage the bushings in the x-axis.

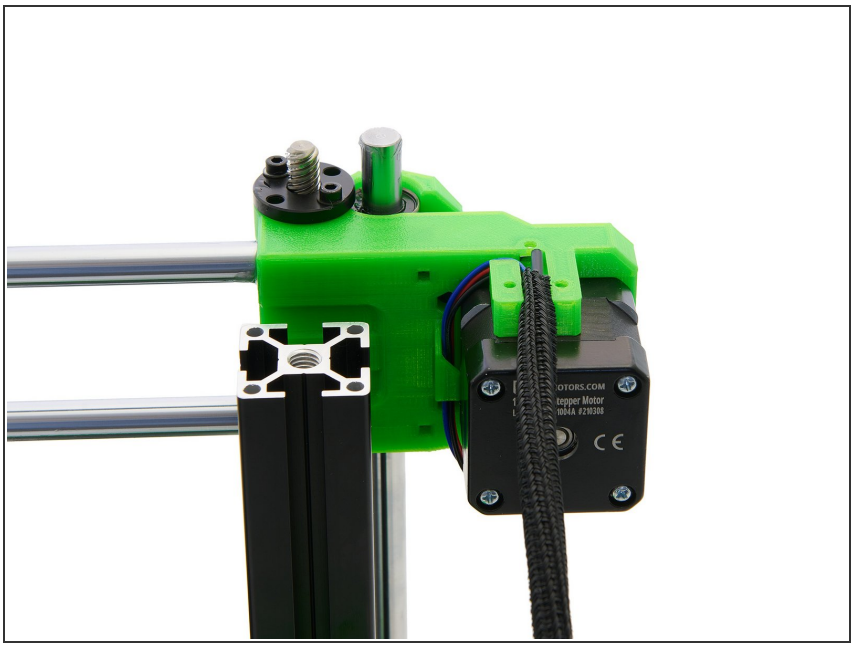
Step 5 — Installing the X-Axis (2 / 2)





- Turn both spindles of the z-stepper motors at the same time to move the x-axis slightly downwards.
- Then tighten the **2x M3x14mm Hexagon Socket Head Cap Screws** to the 2x POM Nuts.

Step 6 — Wiring the X-Axis (1 / 3)

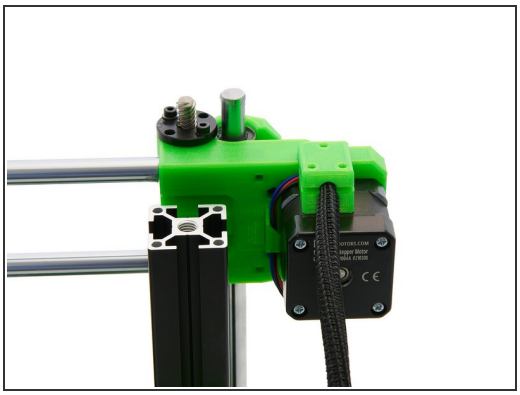


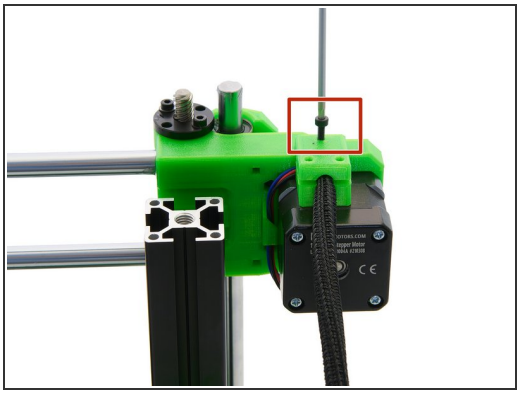
- Cut your Techflex tube and nylon so that the lengths fit your printer model (see Step 2).
- The two ends of the Techflex tube are briefly heated with a lighter.
- Now, push the nylon and motor cable through the Techflex tube.

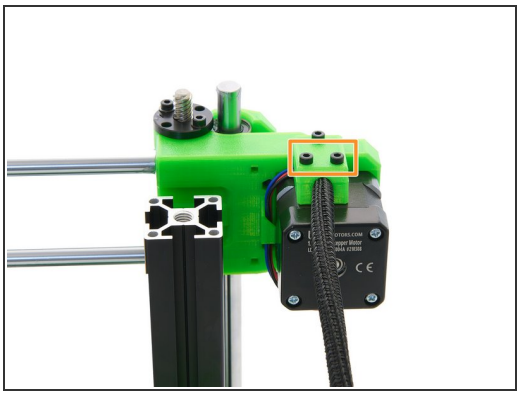
ⓘ If you are building a *Caribou 320* or *Caribou 420* you will need to extend your x-motor cable with a motor extension cable.

- Push the Techflex tube into the cable guide.

Step 7 — Wiring the X-Axis (2 / 3)

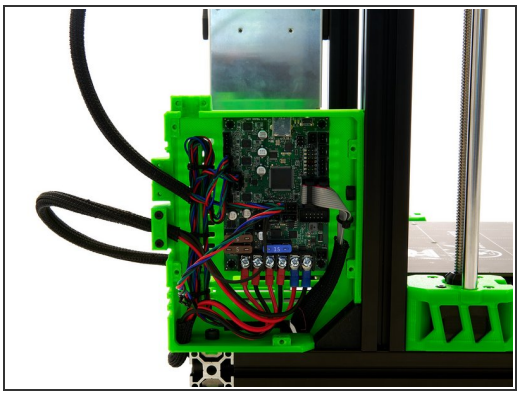
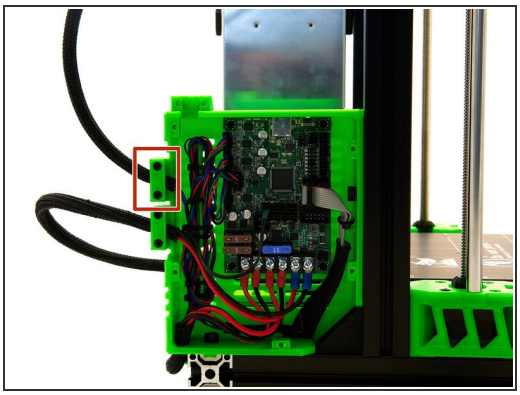
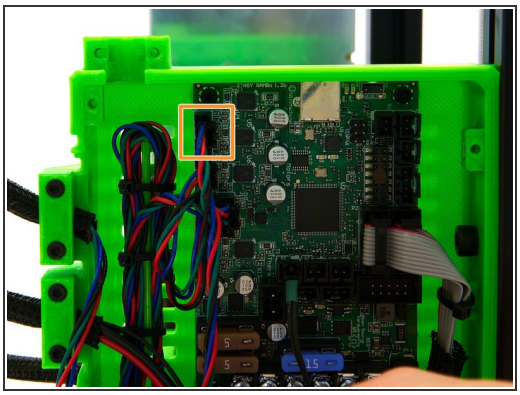






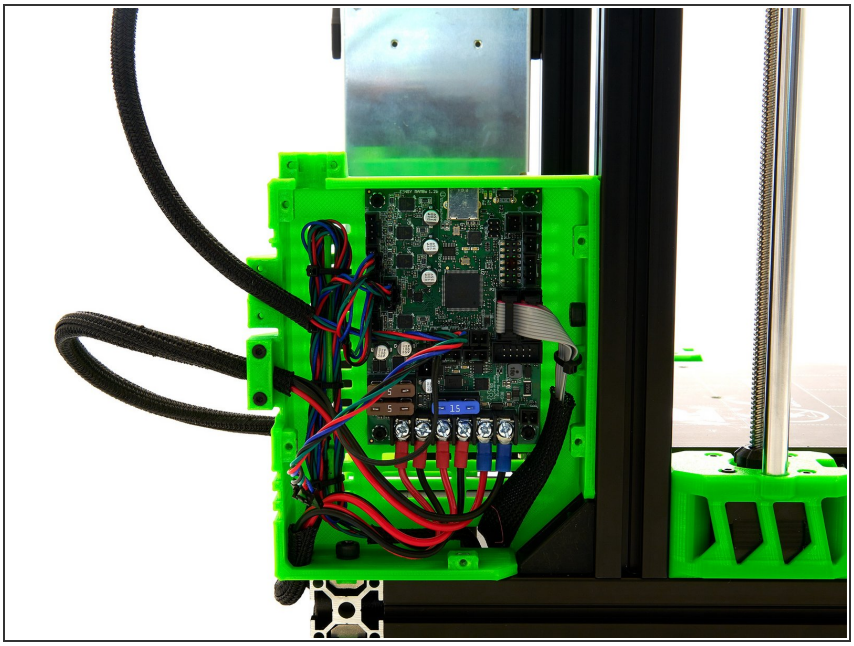
- Push the Techflex tube into the cable guide.
- Place the x-cable holder on it.
- At the rear, fasten it with a **M3x12mm Hexagon Socket Head Cap Screw**.
- At the front, fasten it with a **2x M3x12mm Hexagon Socket Head Cap Screw**.

Step 8 — Verkabelung der x-Achse (3 / 3)

- Führen Sie das Motorkabel zur oberen Kabelführung auf der linken Seite der Einsy Box.
- Fixieren Sie den Kabelschlauch mit einer schrägen Kabelhalterung und **2x M3x14mm Zylinderkopfschrauben**.
- Das x-Motorkabel wird in den oberen linken Anschluss eingesteckt (siehe Bild 3).

Step 9



The installation of the x-axis is now completed.

- Continue with instructions 14.1. Assembly of the Slice Engineering Hotend.